

CLAIMS

1. A retractable roof for a vehicle, the retractable roof being made up of a plurality of rigid roof elements (1, 2, 3) that are movable between a position in which they cover the passenger compartment of the vehicle and a position in which they are
5 stowed inside the rear trunk of the vehicle, said roof elements being connected together and to the front and rear portions of the bodywork by locking means when they cover the passenger compartment, said locking means being controlled by a first rod (5) driven in rotation by an electric motor (6), the first rod and the motor being received in a roof element (1), said retractable roof being
10 characterized by the fact that, for at least one roof element (2, 3), the locking means comprise a slide rail (13, 33; 43) mounted in a slideway rail (11, 32; 44) that is secured to said roof element, first resilient means (27, 37; 49) suitable for urging said slide rail into an unlocking position, thrust means (9) controlled by the movement in translation of a nut (8) mounted on a threaded portion (7) of said
15 first rod and for pushing said slide rail into a locking position against the drive from the first resilient means, and at least one locking finger (14, 15, 35; 41, 42) mounted on said slide rail or on said slideway rail and for co-operating with a complementary locking member (22, 23, 39; 46, 47) that is secured to an adjacent roof element or to the front portion of the bodywork or to the rear portion
20 of said bodywork, when the slide rail is in its locking position.
2. A retractable roof according to claim 1, in which said locking finger (14, 15, 35) is pivotally mounted on said slideway rail (11, 32) to pivot between a locking position and an unlocking position, resilient means (18, 19, 37) being arranged to urge the locking finger into its unlocking position, and thrust
25 means (25, 26, 38) secured to the slide rail (13, 33) being arranged to bring the locking finger into its locking position when the slide rail is itself brought into its own locking position.
3. A retractable roof according to claim 1, in which said locking finger (41, 42) is mounted on said slide (43) in fixed manner (so that it cannot pivot relative
30 thereto).

4. A retractable roof according to any one of claims 1 to 3, in which the slide rail (13) of a first roof element (2) is connected to the slide rail (33) of a second roof element (3) via at least one thrust rod (29, 30).